

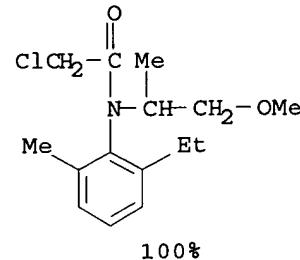
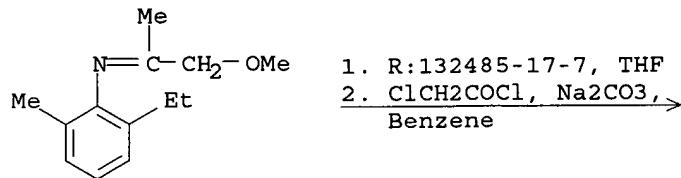
L4

1 SEA SSS FUL L1 ( 1 REACTIONS)

=&gt; d

L4 ANSWER 1 OF 1 CASREACT COPYRIGHT 1997 ACS

RX(6) OF 8 - 2 STEPS



REF: Tetrahedron: Asymmetry, 3(3), 337-40; 1992  
 NOTE: 1) Stereoselective

=&gt; file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	76.96	77.43

FILE 'CAPLUS' ENTERED AT 14:49:32 ON 06 MAR 97  
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FILE COVERS 1967 - 6 Mar 1997 VOL 126 ISS 10  
 FILE LAST UPDATED: 6 Mar 1997 (970306/ED)

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<http://www.cas.org/terms/vocab.html>

=&gt; s 14

L5 1 L4

=&gt; d

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1997 ACS  
AN 1992:407615 CAPLUS  
DN 117:7615  
TI Enantioselective synthesis of optically active metolachlor via  
asymmetric reduction  
AU Cho, Byung Tae; Chun, Yu Sung  
CS Dep. Chem., Hallym Univ., Chunchon, 200-702, S. Korea  
SO Tetrahedron: Asymmetry (1992), 3(3), 337-40  
CODEN: TASYE3; ISSN: 0957-4166  
DT Journal  
LA English  
OS CASREACT 117:7615

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\*CEDB - File is no longer available

\* The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 14:56:27 ON 06 MAR 97

=> file casreact	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'CASREACT' ENTERED AT 14:56:38 ON 06 MAR 97

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FILE CONTENT:1985-1996 (VOL 102 ISS 1 - VOL 126 ISS 9

>>> Several important enhancements to CASREACT functional group <<<  
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<  
>>> information. <<<

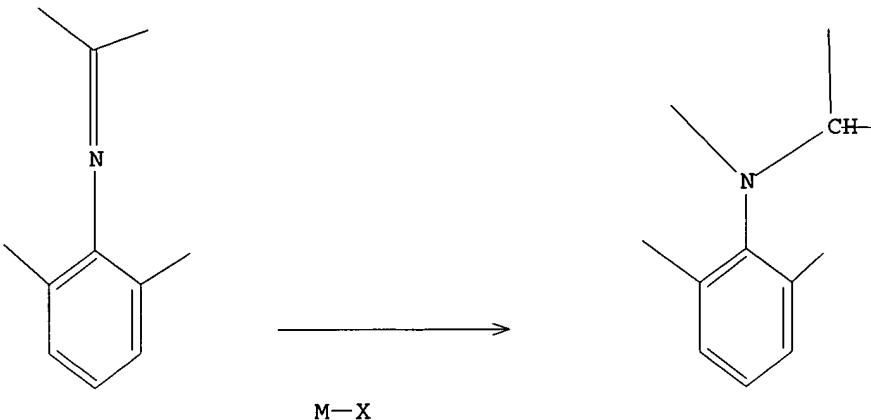
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ENTER SCREEN EXPRESSION OR (END):end

=>  
Uploading c:\stnexp4\queries\779.str

L1 STRUCTURE UPLOADED

=> que L1  
L2 QUE L1

=> d  
'L2' HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2            QUE    L1

=> s 12

SAMPLE SEARCH INITIATED 14:57:23

SCREENING COMPLETE -	0 REACTIONS TO VERIFY FROM	0 DOCUMENTS
100.0% DONE	0 VERIFIED	0 HIT RXNS
SEARCH TIME: 00.00.02		0 DOCS

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*  
                                  BATCH    \*\*COMPLETE\*\*

PROJECTED VERIFICATIONS:	0 TO	0
PROJECTED ANSWERS:	0 TO	0

L3            0 SEA SSS SAM L1 (    0 REACTIONS)

=> s 12 full

FULL SEARCH INITIATED 14:57:33

SCREENING

SCREENING

SCREENING COMPLETE -	78 REACTIONS TO VERIFY FROM	17 DOCUMENTS
97.4% DONE	76 VERIFIED	0 HIT RXNS
97.4% DONE	76 VERIFIED	0 HIT RXNS
97.4% DONE	76 VERIFIED	0 HIT RXNS
100.0% DONE	78 VERIFIED	0 HIT RXNS
SEARCH TIME: 00.01.33		0 DOCS
		0 DOCS
		0 DOCS
		0 DOCS

L4            0 SEA SSS FUL L1 (    0 REACTIONS)

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

74.85

75.00

FILE 'CASREACT' ENTERED AT 14:59:32 ON 06 MAR 97

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FILE CONTENT:1985-1996 (VOL 102 ISS 1 - VOL 126 ISS 9

>>> Several important enhancements to CASREACT functional group    <<<  
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<

>>> information.

<<<

=> ....Testing the current file.... screen  
ENTER SCREEN EXPRESSION OR (END):end

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L5 STRUCTURE UPLOADED

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L6 STRUCTURE UPLOADED

=>  
Uploading c:\stnexp4\queries\779.str

L7 STRUCTURE UPLOADED

=> que L7  
L8 QUE L7

=> s 15  
SAMPLE SEARCH INITIATED 15:00:17  
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SCREENING  
SCREENING COMPLETE - 143665 REACTIONS TO VERIFY FROM 6349 DOCUMENTS  
2.1% DONE 3000 VERIFIED 554 HIT RXNS 50 DOCS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.01.39

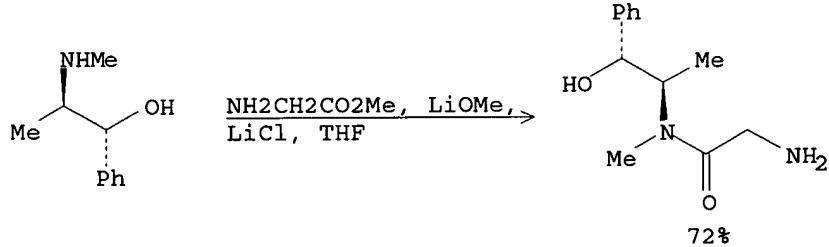
FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*  
PROJECTED VERIFICATIONS: EXCEEDS 1000000  
PROJECTED ANSWERS: EXCEEDS 24106

L9 50 SEA SSS SAM L5 ( 554 REACTIONS)

=> d 19

L9 ANSWER 1 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(2) OF 102



REF: J. Am. Chem. Soc., 119(4), 656-673; 1997

=> d 19 2

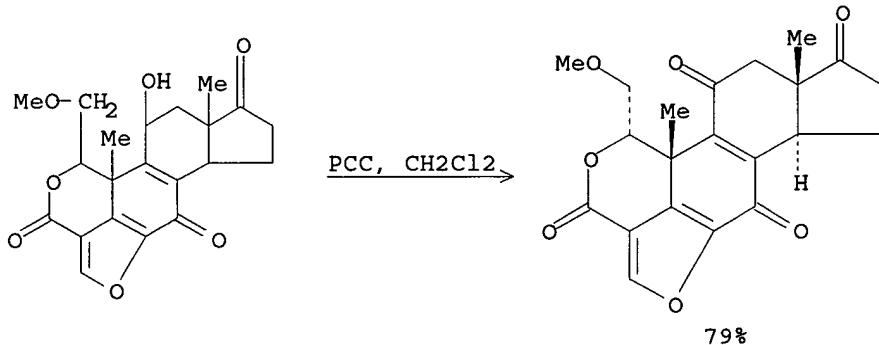
L9 ANSWER 2 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(1) OF 4 - REACTION DIAGRAM NOT AVAILABLE

=> d 19 3

L9 ANSWER 3 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(2) OF 20



REF: J. Med. Chem., 39(25), 5021-5024; 1996

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.50

80.50

FILE 'CAPLUS' ENTERED AT 15:03:00 ON 06 MAR 97

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FILE COVERS 1967 - 6 Mar 1997 VOL 126 ISS 10

FILE LAST UPDATED: 6 Mar 1997 (970306/ED)

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<http://www.cas.org/terms/vocab.html>

=> s 19

L10 50 L9

=> d 110 1-50 hitstr

L10 ANSWER 1 OF 50 CAPLUS COPYRIGHT 1997 ACS

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L10 ANSWER 47 OF 50 CAPLUS COPYRIGHT 1997 ACS  
L10 ANSWER 48 OF 50 CAPLUS COPYRIGHT 1997 ACS  
L10 ANSWER 49 OF 50 CAPLUS COPYRIGHT 1997 ACS  
L10 ANSWER 50 OF 50 CAPLUS COPYRIGHT 1997 ACS

=> d l10 1-50

L10 ANSWER 1 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1997:21016 CAPLUS  
DN **126:89741**  
TI Highly Practical Methodology for the Synthesis of D- and  
L-.alpha.-Amino Acids, N-Protected .alpha.-Amino Acids, and  
N-Methyl-.alpha.-amino Acids  
AU Myers, Andrew G.; Gleason, James L.; Yoon, Taeyoung; Kung, Daniel W.  
CS Division of Chemistry and Chemical Engineering, California Institute  
of Technology, Pasadena, CA, 91125, USA  
SO J. Am. Chem. Soc. (1997), 119(4), 656-673  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English  
OS CASREACT 126:89741; CJACS-IMAGE; CJACS

L10 ANSWER 2 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:723525 CAPLUS  
DN **126:60116**

TI Synthesis and stereochemistry of bis(cyclopalladium) complexes of 1,1'-bis[1-(arylimino)ethyl]ferrocenes  
AU Wu, Yang Jie; Liu, Yuan Hong; Yang, Li; Zhu, Qixiu  
CS Department of Chemistry, Zhengzhou University, Zhengzhou, 450052, Peop. Rep. China  
SO Polyhedron (1996), Volume Date 1997, 16(2), 335-339  
CODEN: PLYHDE; ISSN: 0277-5387  
DT Journal  
LA English  
OS CASREACT 126:60116

L10 ANSWER 3 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:721751 CAPLUS  
**DN 126:47268**  
TI Chirality Transfer via the Palladium-Catalyzed Cross-Coupling Reaction of Optically Active 2-Cyclohexenylsilane: Stereochemical and Mechanistic Aspects  
AU Hiyama, Tamejiro; Matsuhashi, Hayao; Fujita, Akinori; Tanaka, Makoto; Hirabayashi, Kazunori; Shimizu, Masaki; Mori, Atsunori  
CS Research Laboratory of Resources Utilization, Tokyo Institute of Technology, Nagatsuta, 226, Japan  
SO Organometallics (1996), 15(26), 5762-5765  
CODEN: ORGND7; ISSN: 0276-7333  
DT Journal  
LA English  
OS CASREACT 126:47268; CJACS-IMAGE; CJACS

L10 ANSWER 4 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:716025 CAPLUS  
**DN 126:46997**  
TI An improved method for the preparation of N-unsubstituted 1,4,5,6-tetrahydrocyclopenta[b]pyrroles. Synthesis of an azaprostanacyclin analog and its 7-cyano derivative  
AU Rousseau, Brigitte; Nydegger, Fredy; Gossauer, Albert; Bennua-Skalmowski, Baerbel; Vorbrueggen, Helmut  
CS Institut Organische Chemie, Universitaet Fribourg, Fribourg, CH-1700, Switz.  
SO Synthesis (1996), (11), 1336-1340  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA English  
OS CASREACT 126:46997

L10 ANSWER 5 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:683325 CAPLUS  
**DN 126:8091**  
TI Solid-phase synthesis of 1,4-benzodiazepine-2,5-diones  
AU Mayer, John P.; Zhang, Jingwen; Bjergarde, Kirsten; Lenz, Doug M.; Gaudino, John J.  
CS Amgen Boulder Inc., Boulder, CO, 80301, USA  
SO Tetrahedron Lett. (1996), 37(45), 8081-8084  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English  
OS CASREACT 126:8091

L10 ANSWER 6 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:681490 CAPLUS  
**DN 126:54514**

TI Synthesis and in Vitro Evaluation of New Wortmannin Esters: Potent Inhibitors of Phosphatidylinositol 3-Kinase  
AU Creemer, Lawrence C.; Kirst, Herbert A.; Vlahos, Chris J.; Schultz, Richard M.  
CS Lilly Research Laboratories, Greenfield, IN, 46140, USA  
SO J. Med. Chem. (1996), 39(25), 5021-5024  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 126:54514; CJACS-IMAGE; CJACS

L10 ANSWER 7 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:674407 CAPLUS  
DN **125:328989**  
TI Stereodivergent C-C Bond Formation on Arene-Chromium Template: Endo-Selective Allylation by Hosomi-Sakurai Reaction  
AU Sur, Surojit; Ganesh, Sambasivam; Pal, Debnath; Puranik, Vedavati G.; Chakrabarti, Pinak; Sarkar, Amitabha  
CS Divisions of Organic Chemistry (Synthesis) and Physical Chemistry, National Chemical Laboratory, Pune, 411 008, India  
SO J. Org. Chem. (1996), 61(24), 8362-8363  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English  
OS CASREACT 125:328989; CJACS-IMAGE; CJACS

L10 ANSWER 8 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:668731 CAPLUS  
DN **126:18570**  
TI Stereoselective synthesis of trifluoromethylated .alpha.-chloro-.alpha.,.beta.-unsaturated esters and nitriles  
AU Shen, Yanchang; Gao, Shu  
CS Shanghai Inst. Organic Chem., Academia Sinica, Shanghai, 200032, Peop. Rep. China  
SO J. Chem. Soc., Perkin Trans. 1 (1996), (20), 2531-2533  
CODEN: JCPRB4; ISSN: 0300-922X  
DT Journal  
LA English  
OS CASREACT 126:18570; CJRSC

L10 ANSWER 9 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:616758 CAPLUS  
DN **126:8335**  
TI A Highly Efficient Total Synthesis of (+)-Himbacine  
AU Chackalamannil, Samuel; Davies, Robert J.; Asperom, Theodos; Doller, Dario; Leone, Daria  
CS Schering-Plough Research Institute, Kenilworth, NJ, 07033, USA  
SO J. Am. Chem. Soc. (1996), 118(40), 9812-9813  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English  
OS CASREACT 126:8335; CJACS-IMAGE; CJACS

L10 ANSWER 10 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:616744 CAPLUS  
DN **126:8374**  
TI The Total Synthesis of a Natural Cardenolide: (+)-Digitoxigenin  
AU Stork, Gilbert; West, Fred; Lee, Hee Yoon; Isaacs, Richard C. A.; Manabe, Shino

CS Department of Chemistry, Columbia University, New York, NY, 10027,  
USA

SO J. Am. Chem. Soc. (1996), 118(43), 10660-10661  
CODEN: JACSA; ISSN: 0002-7863

DT Journal

LA English

OS CASREACT 126:8374; CJACS-IMAGE; CJACS

L10 ANSWER 11 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:605955 CAPLUS

DN **125:301245**

TI Synthesis of 2,2-dimethyl-4-cyclopentene-1,3-dione and  
5,5-dimethyl-4-hydroxy-2-cyclopenten-1-one

AU Kreiser, Wolfgang; Wiggermann, Annette; Krief, Alain; Swinnen, Dominique

CS Naturstoffchemie, Univ. Dortmund, Bruselles, B-5000, Belg.

SO Tetrahedron Lett. (1996), 37(39), 7119-7122

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

OS CASREACT 125:301245

L10 ANSWER 12 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:590418 CAPLUS

DN **125:275302**

TI Cross-Coupling Reactions of Aryl Chlorides with Organochlorosilanes:  
Highly Effective Methods for Arylation or Alkenylation of Aryl Chlorides

AU Gouda, Ken-ichi; Hagiwara, Emiko; Hatanaka, Yasuo; Hiyama, Tamejiro

CS Sagami Chemical Research Center, Sagamihara, 229, Japan

SO J. Org. Chem. (1996), 61(21), 7232-7233

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 125:275302; CJACS-IMAGE; CJACS

L10 ANSWER 13 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:588631 CAPLUS

DN **125:247479**

TI Preparation of 13-alkylmilbemycin derivatives via alkylation of 15-alkylcarbamoylmilbemycins with alkyl lithium cuprates

IN Saito, Akio; Naito, Satoru

PA Sankyo Co, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

PI JP 08183790 A2 960716 Heisei

AI JP 94-327163 941228

DT Patent

LA Japanese

OS CASREACT 125:247479; MARPAT 125:247479

L10 ANSWER 14 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:528819 CAPLUS

DN **125:247460**

TI Simple synthesis of trans-.alpha.,.beta.-dibenzyl-.gamma.-butyrolactone lignans by diastereoselective reduction of .alpha.-benzylidene-.beta.-benzyl-.gamma.-butyrolactones using NaBH4-NiCl2

AU Moritani, Yasunori; Fukushima, Chiaki; Miyagishima, Toshikazu;

CS Ohmizu, Hiroshi; Iwasaki, Tameo  
Lead Optimization Res. Lab., Tanabe Seiyaku Co., Ltd., Osaka, 532,  
Japan  
SO Bull. Chem. Soc. Jpn. (1996), 69(8), 2281-2286  
CODEN: BCSJA8; ISSN: 0009-2673  
DT Journal  
LA English  
OS CASREACT 125:247460

L10 ANSWER 15 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:522582 CAPLUS  
**DN 125:247173**  
TI An expeditious synthesis of alk-2-yn-1-ols  
AU Zwierzak, Andrzej; Tomassy, Beata  
CS Inst. Org. Chem., Technical Univ., Lodz, 90-924, Pol.  
SO Synth. Commun. (1996), 26(19), 3593-3600  
CODEN: SYNCV; ISSN: 0039-7911  
DT Journal  
LA English  
OS CASREACT 125:247173

L10 ANSWER 16 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:484609 CAPLUS  
**DN 125:276313**  
TI Reaction and stereochemistry of C-glycosidation in  
2-deoxy-4-thioribofuranoside  
AU Uenishi, Jun'ichi; Sohma, Atsushi; Yonemitsu, Osamu  
CS Fac. Sci., Okayama Univ. Sci., Okayama, 700, Japan  
SO Chem. Lett. (1996), (8), 595-596  
CODEN: CMLTAG; ISSN: 0366-7022  
DT Journal  
LA English  
OS CASREACT 125:276313

L10 ANSWER 17 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:360170 CAPLUS  
**DN 125:168187**  
TI Tin for organic synthesis. Part 15. The use of 1,2-  
bis(trimethylstannylyl)-1-alkenes in electrophilic destannylation  
reactions  
AU Niestroj, Michael; Neumann, Wilhelm P.; Mitchell, Terence N.  
CS Fachbereich Chemie, Universitaet Dortmund, Dortmund, D-44221,  
Germany  
SO J. Organomet. Chem. (1996), 519(1-2), 45-68  
CODEN: JORCAI; ISSN: 0022-328X  
DT Journal  
LA English  
OS CASREACT 125:168187; CJELSEVIER

L10 ANSWER 18 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:331003 CAPLUS  
**DN 125:114786**  
TI Neutral lanthanide silyl complexes via .sigma.-bond metathesis  
reactions  
AU Radu, Nora S.; Tilley, T. Don; Rheingold, Arnold L.  
CS Department of Chemistry, University of California, Berkeley,  
Berkeley, CA, 94720-1460, USA  
SO J. Organomet. Chem. (1996), 516(1-2), 41-49  
CODEN: JORCAI; ISSN: 0022-328X

DT Journal  
LA English  
OS CASREACT 125:114786; CJELSEVIER

L10 ANSWER 19 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:327550 CAPLUS  
DN **125:58594**  
TI Diastereoselective synthesis of heterosubstituted organogembismetallic reagents. Application to a new propargylmetalation reaction of vinyl metals  
AU Brasseur, Denis; Marek, Ilane; Normant, Jean-F.  
CS Lab. Chim. Org., associe au CNRS, Univ. P. et M. Curie, Paris, 75231, Fr.  
SO Tetrahedron (1996), 52(21), 7235-7250  
CODEN: TETRAB; ISSN: 0040-4020  
DT Journal  
LA English  
OS CASREACT 125:58594

L10 ANSWER 20 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:290134 CAPLUS  
DN **124:343710**  
TI Stereoselective Synthesis of 8,12-Furanoeudesmanes from Santonin. Absolute Stereochemistry of Natural Furanoeudesma-1,3-diene and Tubipofurane  
AU Blay, Gonzalo; Cardona, Luz; Garcia, Begona; Pedro, Jose R.; Sanchez, Juan J.  
CS Facultat de Quimica, Universitat de Valencia, Burjassot, E- 46100, Spain  
SO J. Org. Chem. (1996), 61(11), 3815-3819  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English  
OS CASREACT 124:343710; CJACS-IMAGE; CJACS

L10 ANSWER 21 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:279312 CAPLUS  
DN **125:33897**  
TI The preparation of forskolin analogs via quinone Diels-Alder reactions  
AU Levin, Jeremy I.  
CS Wyeth-Ayerst Res., Global Chem. Sci., Pearl River, NY, 10965, USA  
SO Tetrahedron Lett. (1996), 37(18), 3079-3082  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English  
OS CASREACT 125:33897

L10 ANSWER 22 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:274940 CAPLUS  
DN **125:33652**  
TI Method of synthesizing sterically hindered 5-substituted-1H-tetrazoles from nitriles using a Lewis acid and an azide  
IN Galante, Rocco J.  
PA American Cyanamid Co., USA  
SO U.S., 6 pp. Cont. of U.S. Ser. No. 87,626, abandoned.  
CODEN: USXXAM  
PI US 5502191 A 960326  
AI US 95-391317 950217

PRAI US 93-87626 930701  
DT Patent  
LA English  
OS CASREACT 125:33652; MARPAT 125:33652

L10 ANSWER 23 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:274709 CAPLUS  
DN **125:33955**  
TI Glycosyl phosphates: a new latent-active anomeric phosphorylation strategy  
AU Boons, Geert-Jan; Burton, Andrew; Wyatt, Paul  
CS Sch. of Chemistry, Univ. of Birmingham, Birmingham, B15 2TT, UK  
SO Synlett (1996), (4), 310-312  
CODEN: SYNLES; ISSN: 0936-5214  
DT Journal  
LA English  
OS CASREACT 125:33955

L10 ANSWER 24 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:266180 CAPLUS  
DN **125:11117**  
TI Reaction of zirconium and hafnium tetrachlorides with thiophosphenic acid N,N-bis(trimethylsilyl)amide-N'-tert-butylimide  
AU Brusilovets, A. I.; Rusanov, E. B.; Trachevskii, V. V.  
CS Kiev. Univ. im. Shevchenko, Kiev, Ukraine  
SO Zh. Obshch. Khim. (1995), 65(11), 1816-18  
CODEN: ZOKHA4; ISSN: 0044-460X  
DT Journal  
LA Russian  
OS CASREACT 125:11117

L10 ANSWER 25 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:259458 CAPLUS  
DN **124:317487**  
TI Heteroaromatic diphosphines as chiral ligands  
IN Antognazza, Patrizia; Benincori, Tiziana; Brenna, Elisabetta;  
Cesarotti, Edoardo; Sannicolo', Francesco; Trimarco, Licia  
PA Italfarmaco Sud S.P.A., Italy  
SO PCT Int. Appl., 68 pp.  
CODEN: PIXXD2  
PI WO 9601831 A1 960125  
DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG,  
KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU,  
SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN  
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG  
AI WO 95-EP2647 950707  
PRAI IT 94-MI1438 940712  
DT Patent  
LA English  
OS CASREACT 124:317487; MARPAT 124:317487

L10 ANSWER 26 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:222442 CAPLUS  
DN **125:10199**  
TI Sequenced Reactions with Samarium(II) Iodide. Tandem Nucleophilic Acyl Substitution/Ketyl-Olefin Coupling Reactions  
AU Molander, Gary A.; Harris, Christina R.  
CS Department of Chemistry and Biochemistry, University of Colorado,

Boulder, CO, 80309-0215, USA  
SO J. Am. Chem. Soc. (1996), 118(17), 4059-71  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English  
OS CASREACT 125:10199; CJACS-IMAGE; CJACS

L10 ANSWER 27 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:198647 CAPLUS  
DN **124:316702**  
TI Synthesis of 2-acetyl-5,8-dihydro-1,4-dihydroxy-3-methyl naphthalene: a product from the isomerization of Diels-Alder adducts of both 5-methyl- and 6-methyl-2-acetyl-1,4-benzoquinone with 1,3-butadiene  
AU Ahmad, Fujan B. H.; Bruce, J. Malcolm  
CS Dep. Chem., Univ. Pertanian Malaysia, Selangor, 43400, Malay.  
SO Synth. Commun. (1996), 26(7), 1263-71  
CODEN: SYNCV; ISSN: 0039-7911  
DT Journal  
LA English  
OS CASREACT 124:316702

L10 ANSWER 28 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:194699 CAPLUS  
DN **124:261070**  
TI Serotonin 5-HT1A and dopamine D2 receptor ligands  
IN Perregaard, Jens Kristian; Moltzen, Ejner Knud  
PA H. Lundbeck A/S, Den.  
SO PCT Int. Appl., 38 pp.  
CODEN: PIXXD2  
PI WO 9533729 A1 951214  
DS W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,  
GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG,  
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA,  
US, UZ  
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG  
AI WO 95-DK229 950608  
PRAI DK 94-657 940608  
DT Patent  
LA English  
OS CASREACT 124:261070; MARPAT 124:261070

L10 ANSWER 29 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:181362 CAPLUS  
DN **124:317503**  
TI Synthetic studies on aromadendrane-type compounds. III. Stereoselective total syntheses of (+)-aromadendrene and (-)-alloaromadendrened  
AU Tanaka, Tetsuaki; Maeda, Kimiya; Mikamiyama, Hidenori; Funakoshi, Yousuke; Uenaka, Kenji; Iwata, Chuzo  
CS Fac. Pharmaceutical Sciences, Osaka Univ., Suita, 565, Japan  
SO Tetrahedron (1996), 52(12), 4257-68  
CODEN: TETRAB; ISSN: 0040-4020  
DT Journal  
LA English  
OS CASREACT 124:317503

L10 ANSWER 30 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:161892 CAPLUS  
DN **124:289986**  
TI Synthesis of steroidal .DELTA.20(22)-23-hydroximines and their derivatives via 17-isoxazolinylsteroids  
AU Litvinovskaya, R. P.; Baranovskii, A. V.; Khrripach, V. A.  
CS Inst. Bioorg. Khim., Akad. Nauk Belarusi, Minsk, Belarus  
SO Zh. Org. Khim. (1995), 31(7), 1048-53  
CODEN: ZORKAE; ISSN: 0514-7492  
DT Journal  
LA Russian  
OS CASREACT 124:289986

L10 ANSWER 31 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:134980 CAPLUS  
DN **125:33888**  
TI Terpenes in organic synthesis. Part 15. A chemo-enzymic approach to the synthesis of all four stereoisomers of 2,6-dimethyloct-1-yl formate, an attractant of the smaller flour beetle, from enantiomeric .beta.-citronellenes  
AU Gamalevich, G. D.; Morozov, B. N.; Serebryakov, E. P.  
CS N. D. Zelinsky Institute Organic Chemistry, Russian Academy Sciences, Moscow, 117913, Russia  
SO Izv. Akad. Nauk, Ser. Khim. (1996), (1), 204-15  
CODEN: IASKEA  
DT Journal  
LA Russian  
OS CASREACT 125:33888

L10 ANSWER 32 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:128702 CAPLUS  
DN **124:261213**  
TI Novel Chelated Diorganolithiate Ion [cyclic] [CH<sub>2</sub>SiMe<sub>2</sub>C(SiMe<sub>3</sub>)<sub>2</sub>LiC(SiMe<sub>3</sub>)<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>]- and Highly Crowded Chelated Organomercury Compound [cyclic] [CH<sub>2</sub>SiMe<sub>2</sub>C(SiMe<sub>3</sub>)<sub>2</sub>HgC(SiMe<sub>3</sub>)<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>]  
AU Eaborn, Colin; Lu, Zheng-Rong; Hitchcock, Peter B.; Smith, J. David  
CS School of Chemistry and Molecular Sciences, University of Sussex, Brighton, BN1 9QJ, UK  
SO Organometallics (1996), 15(6), 1651-5  
CODEN: ORGND7; ISSN: 0276-7333  
DT Journal  
LA English  
OS CASREACT 124:261213; CJACS-IMAGE; CJACS

L10 ANSWER 33 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:113775 CAPLUS  
DN **124:261526**  
TI Use of a Novel .alpha.-Hydroxyethylating Reagent in the Stereoselective Synthesis of Lincosamine  
AU van Delft, Floris L.; de Kort, Martin; van der Marel, Gijs A.; van Boom, Jacques H.  
CS Gorlaeus Laboratories, Leiden Institute of Chemistry, Leiden, 2300 RA, Neth.  
SO J. Org. Chem. (1996), 61(5), 1883-5  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English  
OS CASREACT 124:261526; CJACS-IMAGE; CJACS

L10 ANSWER 34 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:102299 CAPLUS  
DN **124:290072**  
TI A facile formal synthesis of D-ribo-C18-phytosphingosine  
AU Lia, Guo-qiang; Shi, Zhi-cai  
CS Shanghai Inst. Org. Chem., Chin. Acad. Sci., Shanghai, 200032, Peop. Rep. China  
SO Tetrahedron (1996), 52(6), 2187-92  
CODEN: TETRAB; ISSN: 0040-4020  
DT Journal  
LA English  
OS CASREACT 124:290072

L10 ANSWER 35 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:94714 CAPLUS  
DN **124:261413**  
TI Pyranofuranes via Lewis acid mediated hetero-Diels-Alder reactions of 4-furan-2(5H)-ones: a convergent route to the manoalide substructure  
AU Lattmann, E.; Coombs, J.; Hoffmann, H. M. R.  
CS Department Organic Chemistry, University Hannover, Hannover, D-30167, Germany  
SO Synthesis (1996), (1), 171-7  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA English  
OS CASREACT 124:261413

L10 ANSWER 36 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:36676 CAPLUS  
DN **124:202080**  
TI Synthesis of 6-substituted 2-phenyloxazolo[4,5-b]pyridines  
AU Viaud, Marie-Claude; Jamoneau, Patricia; Savelon, Laurence; Guillaumet, Gerald  
CS Lab. Chimie Bioorganique Analytique, Univ. Orleans, Orleans, 45067, Fr.  
SO Heterocycles (1995), 41(12), 2799-809  
CODEN: HTCYAM; ISSN: 0385-5414  
DT Journal  
LA English  
OS CASREACT 124:202080

L10 ANSWER 37 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:10632 CAPLUS  
DN **124:202984**  
TI Versatile synthetic routes to threo-.beta.-amino hydroxy carboxylic acids, statine and its analogs  
AU Kang, Sung Ho; Ryu, Do Hyun  
CS Dep. Chem., Korea Advanced Inst. Sci. Technol., Taejon, 305-701, S. Korea  
SO Bioorg. Med. Chem. Lett. (1995), 5(24), 2959-62  
CODEN: BMCL8; ISSN: 0960-894X  
DT Journal  
LA English  
OS CASREACT 124:202984

L10 ANSWER 38 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1996:6866 CAPLUS  
DN **124:45213**

TI Dual metalloprotease inhibitors. 6. incorporation of bicyclic and substituted monocyclic azepinones as dipeptide surrogates in angiotensin-converting enzyme (ACE)/neutral endopeptidase (NEP) inhibitors  
AU Robl, Jeffrey A.; Cimarusti, Maria P.; Simpkins, Ligaya M.; Brown, Baerbel; Ryono, Denis E.; Bird, J. Eileen; Asaad, Magdi M.; Schaeffer, Thomas R.; Trippodo, Nick C.  
CS Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-4000, USA  
SO J. Med. Chem. (1996), 39(2), 494-502  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 124:45213; CJACS-IMAGE; CJACS

L10 ANSWER 39 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:997846 CAPLUS  
**DN 124:176541**  
TI Preparation of mono- and dimethylmetallocenes and their solutions especially for the use in the polymerization of olefins  
IN Lisowsky, Richard  
PA Witco GmbH, Germany  
SO Eur. Pat. Appl., 7 pp.  
CODEN: EPXXDW  
PI EP 682036 A2 951115  
DS R: AT, BE, DE, ES, FR, GB, GR, IT, NL, PT, SE  
AI EP 95-106258 950426  
PRAI DE 94-4416894 940513  
DT Patent  
LA German  
OS CASREACT 124:176541; MARPAT 124:176541

L10 ANSWER 40 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:996326 CAPLUS  
**DN 124:145449**  
TI Method of preparing trifluoroacrylic acid fluoride  
IN Zapevalov, Aleksandr Ya.; Gorbunova, Tatyana I.; Saloutin, Viktor I.  
PA Otdel Tonkogo Organicheskogo Sinteza Instituta Organicheskoy Khimii Uralskogo Otdeleniya RAN, USSR  
SO Russ.  
From: Izobreteniya 1995, (14), 148.  
CODEN: RUXXE7  
PI RU 2035449 C1 950520  
AI RU 92-5068311 920825  
PRAI SU 92-5068311 920825  
DT Patent  
LA Russian  
OS CASREACT 124:145449

L10 ANSWER 41 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:993241 CAPLUS  
**DN 124:87321**  
TI Novel Syntheses of Cyclopentenones and Alkenylsilanes from the Corresponding Alkyne-Dicobalt Hexacarbonyl Complexes  
AU Rao, Maddali Lakshmi Narayana; Periasamy, Mariappan  
CS School of Chemistry, University of Hyderabad, Hyderabad, 500 046, India  
SO Organometallics (1996), 15(1), 442-5  
CODEN: ORGND7; ISSN: 0276-7333

DT Journal  
LA English  
OS CASREACT 124:87321; CJACS-IMAGE; CJACS

L10 ANSWER 42 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:974885 CAPLUS  
DN **124:175722**  
TI Efficient palladium-catalyzed chirality transfer in allyl carbonates. An approach to .beta.-aryl-substituted .gamma.-lactones and .gamma.-hydroxy amides. Synthesis of the antidepressant (R)-Rolipram  
AU Braun, Manfred; Opdenbusch, Kersten; Unger, Claudia  
CS Inst. Organische Chemie, Heinrich-Heine-Univ. Duesseldorf, Duesseldorf, D-40225, Germany  
SO Synlett (1995), (11), 1174-6  
CODEN: SYNLES; ISSN: 0936-5214  
DT Journal  
LA English  
OS CASREACT 124:175722

L10 ANSWER 43 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:972514 CAPLUS  
DN **124:86690**  
TI Synthetic experiments in lignans. Part XV. Reductive rearrangements of 2,6-diaryl-3,7-dioxabicyclo[3.3.0]octane lignans with AlCl<sub>3</sub> and (C<sub>2</sub>H<sub>5</sub>)<sub>3</sub>SiH  
AU Anjaneyulu, A. S. R.; Kumar, D. S.; Venkateswarlu, R.; Kamakshi, C.  
CS Sch. Chem., Andrha Univ., Visakhapatnam, 530 003, India  
SO Indian J. Chem., Sect. B: Org. Chem. Incl. Med. Chem. (1995), 34B(10), 897-9  
CODEN: IJSBDB; ISSN: 0376-4699  
DT Journal  
LA English  
OS CASREACT 124:86690

L10 ANSWER 44 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:957637 CAPLUS  
DN **124:145823**  
TI The tetrahydropyranyl group as a chiral auxiliary for the nucleophilic addition to .alpha.-alkoxy ketones  
AU Charette, Andre B.; Benslimane, Abdel F.; Mellon, Christophe  
CS Dep. Chim., Univ. Montreal, Montreal, PQ, H3C 3J7, Can.  
SO Tetrahedron Lett. (1995), 36(47), 8557-60  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English  
OS CASREACT 124:145823

L10 ANSWER 45 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:950791 CAPLUS  
DN **124:146775**  
TI Synthesis of crystalline orthogonally N-protected (S)- or (R)-2,3-diaminopropionaldehyde from L- or D-aspartic acid  
AU Schirlin, Daniel; Altenburger, Jean-Michel  
CS Marion Merrell Dow Res. Inst., Strasbourg, F-67080, Fr.  
SO Synthesis (1995), (11), 1351-2  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA English

OS CASREACT 124:146775

L10 ANSWER 46 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:933761 CAPLUS  
DN **124:117022**  
TI Facile synthesis of the key intermediate of EO 9 via the formation  
of the indole skeleton using the Nenitzescu reaction  
AU Kinugawa, Masahiko; Arai, Hitoshi; Nishikawa, Hiroshi; Sakaguchi,  
Akihiko; Ogasa, Takehiro; Tomioka, Shinji; Kasai, Masaji  
CS Sakai Research Lab., Kyowa Hakko Kogyo Co., Ltd., Sakai, 590, Japan  
SO J. Chem. Soc., Perkin Trans. 1 (1995), (21), 2677-8  
CODEN: JCPRB4; ISSN: 0300-922X  
DT Journal  
LA English  
OS CASREACT 124:117022; CJRSC

L10 ANSWER 47 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:822558 CAPLUS  
DN **124:28987**  
TI A large scale preparation of 1-ethynylcyclopentene and 1-hexen-4-yne  
AU Davini, Enrico; Giongo, Matteo; Riocci, Mario  
CS Eniricerche Spa, Monterotondo Scalo, 00016, Italy  
SO Org. Prep. Proced. Int. (1995), 27(5), 586-90  
CODEN: OPPIAK; ISSN: 0030-4948  
DT Journal  
LA English  
OS CASREACT 124:28987

L10 ANSWER 48 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:809498 CAPLUS  
DN **124:30290**  
TI Improved preparation of enantiomerically pure 5-oxo amino acid  
derivatives by palladium-catalyzed coupling reactions  
AU Fraser, Joanne L.; Jackson, Richard F. W.; Porter, Barry  
CS Dep. Chem., Univ. Newcastle, Newcastle upon Tyne, NE1 7RU, UK  
SO Synlett (1995), (8), 819-20  
CODEN: SYNLES; ISSN: 0936-5214  
DT Journal  
LA English  
OS CASREACT 124:30290

L10 ANSWER 49 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:807393 CAPLUS  
DN **124:55517**  
TI Neighboring rotor substituents on arene systems. Part 2.  
1,8-Disubstituted naphthalenes by directed metalation and subsequent  
lithium-manganese exchange, including copper catalysis  
AU Kiefl, Christoph; Mannschreck, Albrecht  
CS Inst. Organische Chemie, Univ. Regensburg, Regensburg, D-93040,  
Germany  
SO Synthesis (1995), (8), 1033-7  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA English  
OS CASREACT 124:55517

L10 ANSWER 50 OF 50 CAPLUS COPYRIGHT 1997 ACS  
AN 1995:733929 CAPLUS  
DN **124:29322**

TI Palladium-catalyzed asymmetric hydrosilylation of styrenes with a new chiral monodentate phosphine ligand  
AU Kitayama, Kenji; Uozumi, Yasuhiro; Hayashi, Tamio  
CS Dep. Chem., Fac. Sci., Kyoto Univ., Sakyo, 606-01, Japan  
SO J. Chem. Soc., Chem. Commun. (1995), (15), 1533-4  
CODEN: JCCCAT; ISSN: 0022-4936  
DT Journal  
LA English  
OS CASREACT 124:29322; CJRSC

=> s l10 and iridium  
18777 IRIDIUM  
L11 0 L10 AND IRIDIUM

=> d his

(FILE 'HOME' ENTERED AT 14:56:27 ON 06 MAR 97)

FILE 'CASREACT' ENTERED AT 14:56:38 ON 06 MAR 97

L1 STRUCTURE UPLOADED  
L2 QUE L1  
L3 0 S L2  
L4 0 S L2 FULL

FILE 'CASREACT' ENTERED AT 14:59:32 ON 06 MAR 97

L5 STRUCTURE UPLOADED  
L6 STRUCTURE UPLOADED  
L7 STRUCTURE UPLOADED  
L8 QUE L7  
L9 50 S L5

FILE 'CAPLUS' ENTERED AT 15:03:00 ON 06 MAR 97

L10 50 S L9  
L11 0 S L10 AND IRIDIUM

=> s 16

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FULL ESTIMATED COST	38.84	119.34

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>>> Several important enhancements to CASREACT functional group <<<  
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<  
>>> information. <<<

=> s 15-19  
'L8' MAY NOT BE USED HERE  
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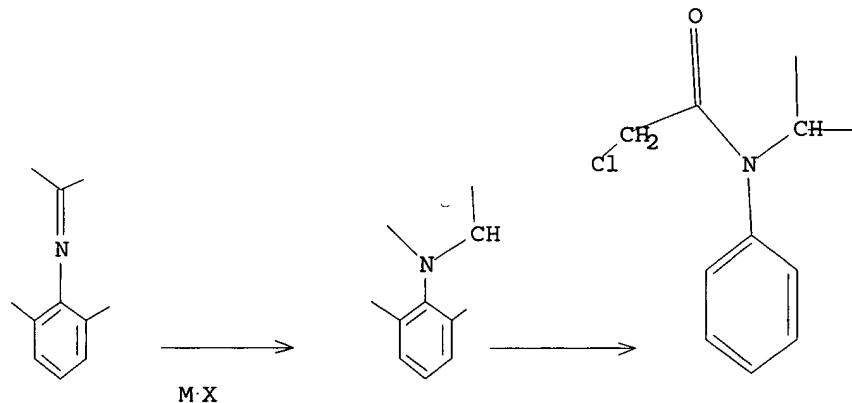
=> s 15-18  
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The L# entered was not created by a STRUCTURE or SCREEN command.

=> s 15  
SAMPLE SEARCH INITIATED 15:05:56

L1 STRUCTURE UPLOADED

```
=> que L1
L2 QUE L1
```

```
=> d
'L2' HAS NO ANSWERS
L1 STR
```



Structure attributes must be viewed using STN Express query preparation.  
L2 QUE L1

```
=> s l2
SAMPLE SEARCH INITIATED 15:18:12
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS
100.0% DONE      0 VERIFIED      0 HIT RXNS      0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:      0 TO      0
PROJECTED ANSWERS:      0 TO      0
```

L3 0 SEA SSS SAM L1 ( 0 REACTIONS)

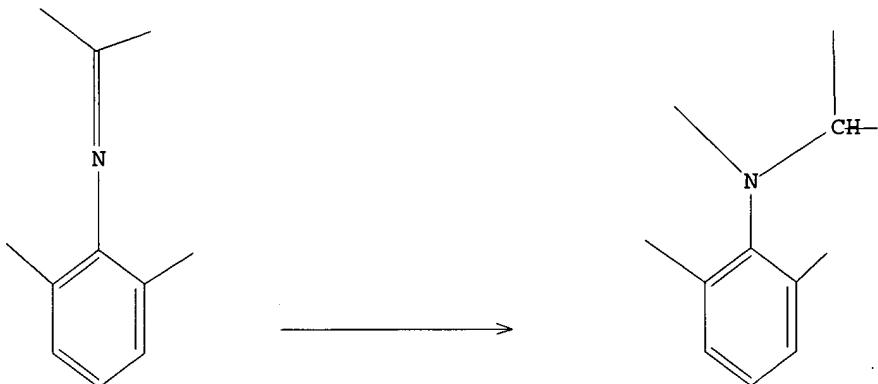
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=> s l2 full
FULL SEARCH INITIATED 15:18:22
SCREENING COMPLETE -      10 REACTIONS TO VERIFY FROM      6 DOCUMENTS
100.0% DONE      10 VERIFIED      0 HIT RXNS      0 DOCS
SEARCH TIME: 00.00.02
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L4 0 SEA SSS FUL L1 ( 0 REACTIONS)

## L1 STRUCTURE UPLOADED

=> que L1  
L2 QUE L1

=> d  
'L2' HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.  
L2                    QUE    L1

=> s 12

SAMPLE SEARCH INITIATED 14:46:58

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS  
100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS  
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS: ONLINE \* \* COMPLETE \*\*  
BATCH \* \* COMPLETE \*\*

**PROJECTED VERIFICATIONS:** 0 TO 0  
**PROJECTED ANSWERS:** 0 TO 0

L3 0 SEA SSS SAM L1 ( 0 REACTIONS)

=> s 12 full

FULL SEARCH INITIATED 14:47:32

SCREENING COMPLETE - 100 REACTIONS TO VERIFY FROM 22 DOCUMENTS  
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 90.0% DONE 90 VERIFIED 1 HIT RXNS 1 DOCS  
 90.0% DONE 90 VERIFIED 1 HIT RXNS 1 DOCS  
 93.0% DONE 93 VERIFIED 1 HIT RXNS 1 DOCS  
 95.0% DONE 95 VERIFIED 1 HIT RXNS 1 DOCS  
 100.0% DONE 100 VERIFIED 1 HIT RXNS 1 DOCS  
 SEARCH TIME: 00.01.35